Page 1 of 37 APPLICATION NO. ATTY. DOCKET NO. 1503.1070003 09/934,084 FORM PTO-1449 APPLICANTS Lobanov et al. RTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT **GROUP** FILING DATE August 22, 2001 1631 **U.S. PATENT DOCUMENTS EXAMINER** INITIAL **FILING DATE** DOCUMENT DATE SUB-NAME **CLASS** NUMBER **CLASS** AA1 AB₁ AC₁ AD1 AE1 AF1 AG1 AH1 AI1 **FOREIGN PATENT DOCUMENTS EXAMINER** INITIAL DOCUMENT NUMBER DATE COUNTRY **CLASS** SUB-TRANSLATION CLASS AJ1 EP 0 818 744 A2 01/1998 **EPO** G06F 17/50 Yes CSVM No AK1 WO 93/20242 PCT 10/1993 C12Q 1/70 Yes No AL1 WO 95/01606 01/1995 PCT G06F 15/42 Yes No AM1 WO 97/27559 **PCT** 07/1997 G06F 19/00 Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Borg, Ingwer and Groenen, Patrick, Modern Multidimensional Scaling Theory and Applications, Springer Series AN COM in Statistics, 1997, entire book submitted. Agrafiotis, D.K. et al., "Advances in diversity profiling and combinatorial series design," Molecular Diversity, AO <u>1</u> Kluwer Academic Publishers, Vol. 4, 1999, pp. 1-22. Agrafiotis, D.K. and Lobanov, V.S., "An Efficient Implementation of Distance-Based Diversity Measures Based on k-d Trees," Journal of Chemical Information and Computer Science, American Chemical Society, Vol. 39, No. AP 1 1, January/February 1999, pp. 51-58. Agrafiotis, D.K. and Lobanov, V.S., "Bridging The Gap Between Diversity And QSAR," Abstracts of Papers Part AQ <u>1</u> 1: 215th ACS National Meeting, American Chemical Society, March 29-April 2, 1998, p. 181-COMP. Agrafiotis, D.K. and Jaeger, E.P., "Directed Diversity®: An Operating System For Combinatorial Chemistry," Abstracts of Papers Part 1: 211th ACS National Meeting, American Chemical Society, March 24-28, 1996, p. 46-AR COMP.

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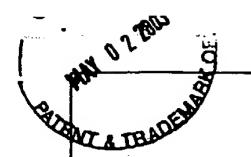
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FOURTH SUPPLEMENTAL INFORMATION

ATTY. DOCKET NO. 1503.1070003	APPLICATION NO. 09/934,084
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FOURTH SUPPLEMENTAL INFORMATION
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ATTY. DOCKET NO. 1503.1070003	APPLICATION NO. 09/934,084	
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FOURTH SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
1503.1070003	09/934,084
APPLICANTS Lobanov et al.	
FILING DATE	GROUP
August 22, 2001	1631

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Page 33 of 37 APPLICATION NO. ATTY. DOCKET NO. 09/934,084 1503.1070003 FORM PTO-1449 APPLICANTS Lobanov et al. FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE **GROUP** August 22, 2001 1631 **U.S. PATENT DOCUMENTS EXAMINER** SUB-**CLASS FILING DATE** DATE NAME INITIAL DOCUMENT CLASS NUMBER **AA33 AB33** AC33 AD33 AE33 AF33 AG33 **AH33** AI33 **FOREIGN PATENT DOCUMENTS EXAMINER CLASS** SUB-COUNTRY TRANSLATION INITIAL DOCUMENT NUMBER DATE **CLASS AJ33** Yes No **AK33** Yes No AL33 Yes No Yes **AM33** No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Jain, A. et al., "Artificial Neural Networks: A Tutorial," IEEE, March 1996, pages 31-44. <u>33</u> AN 6511 Westhead, D. R. et al., "A comparison of heuristic search algorithms for molecular docking", Journal of <u>33</u> AO Computer-Aided Molecular Design, Kluwer Academic Publishers, Vol. 11, 1997, pp. 209-228. Willett, P., "Genetic algorithms in molecular recognition and design", Trends in Biotechnology, Elsevier Science AP <u>33</u> Publishers B.V., Vol. 13, No. 12, December 1995, pp. 516-521. Willett, P. and Winterman, V., "A Comparison of Some Measures for the Determination of Inter-Molecular AQ 33 Structural Similarity Measures of Inter-Molecular Structural Similarity", Quantitative Structure-Activity Relationships, VCH, Vol. 5, No. 1, March 1986, pp. 18-25. Zadeh, L. A., "Communication Fuzzy Algorithms", Information and Control, Academic Press Inc., Vol. 12, No. 2, <u>33</u> AR February 1968, pp. 94-102.

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DATE CONSIDERED

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FOURTH SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.1070003	APPLICATION NO. 09/934,084
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ATTY. DOCKET NO. 1503.1070003	APPLICATION NO. 09/934,084
APPLICANTS Lobanov et al.	
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APPLICATION NO. ATTY. DOCKET NO. 09/934,084 1503.1070003 FORM PTO-1449 APPLICANTS Lobanov et al. OURTH SUPPLEMENTAL INFORMATION GROUP DISCLOSURE STATEMENT FILING DATE 1631 August 22, 2001 **U.S. PATENT DOCUMENTS EXAMINER** SUB-FILING DATE CLASS NAME DATE DOCUMENT INITIAL **CLASS** NUMBER **AA36 AB36** AC36 AD36 2003 R O YAM **AE36 AF36** TECH CENTER 1600/2900 AG36 **AH36 AI36 FOREIGN PATENT DOCUMENTS EXAMINER** TRANSLATION **CLASS** SUB-COUNTRY DATE DOCUMENT NUMBER INITIAL CLASS Yes **AJ36** Nο Yes **AK36** Νo Yes AL36 No Yes AM36 No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Crippen, G.M. and Havel, T.F., Distance Geometry and Molecular Conformation, Research Studies Press Ltd., <u>36</u> AN 1988, entire book submitted. CSM Feuston, B. et al., "Comparison of Knowledge-Based and Distance Geometry Approaches for Generation of Molecular Conformations," Journal of Information and Computer Sciences, American Chemical Society, Vol. 41, <u>36</u> AQ No. 3, 2001, pages 754-763. Ferguson, D. and Raber, D., "A New Approach to Probing Conformational Space with Molecular Mechanics: Random Incremental Pulse Search," Journal of the American Chemical Society, American Chemical Society, AP <u>36</u> Vol. 111, No. 12, 1989, pages 4371-4378. Halgren, T. and Nachbar, R., "Merck Molecular Force Field. IV. Conformational Energies and Geometries for MMFF94*," Journal of Computational Chemistry, John Wiley & Sons, Inc., Vol. 17, Nos. 5 & 6, 1996, pages 587-AQ **36** Halgren, T., "Merck Molecular Force Field. V. Extension of MMFF94 Using Experimental Data, Additional Computational Data, and Empirical Rules*," Journal of Computational Chemistry, John Wiley & Sons, Inc., Vol. AR 36 17, Nos. 5 & 6, April 1996, pages 616-641. DATE CONSIDERED **EXAMINER**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

	Page 37 of 37
ATTY. DOCKET NO. 1503.1070003	APPLICATION NO. 09/934,084
APPLICANTS Lobanov et al.	
FILING DATE	GROUP 1631

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Stylesheet Version v18.0

Title of Invention

Method, System and Computer Program Product for Determining Properties of Combinatorial Library Products from Features of Library Building Blocks

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TECH CENTER 1600/2900

Application Number:

09/934084

Confirmation Number:

7373

First Named Applicant:

Victor Lobanov

Attorney Docket Number: 1503.1070003

Art Unit:

1631

Search string:

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or 5858660 or 5861532 or 5866334 or 5901069 or 5908960 or 5933819 or 6014661 or 6026397

or 6037135 or 6049797 or 6185506).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind Class Subclass
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	2	5807754	1998-09-15	Zambias et al.	436 518
	3	5811241	1998-09-22	Goodfellow et al.	435 7.1
	4	5832494	1998-11-03	Egger et al.	707 102
	5	5858660	1999-01-12	Eaton et al.	435 6
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	14	6049797	2000-04-11	Guha et al.	707 6
V	15	6185506	2001-02-06	Cramer et al.	702 19

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

Method, System and Computer Program Product for **Determining Properties of Combinatorial Library Products** from Features of Library Building Blocks

Application Number:

09/934084

Confirmation Number:

7373

First Named Applicant:

Victor Lobanov

Attorney Docket Number: 1503.1070003

Art Unit:

1631

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Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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				-	APPLICANTS Lobanov et al.			
INFORMATION DISCLOSURE STATEMENT				<u>EMENT</u>	FILING DATE August 22, 2001	FILING DATE GROUP		
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